

Title (en)

ELECTROMAGNETIC VALVE AND PROCESS FOR SETTING THE STROKE OF AN ELECTROMAGNETIC VALVE

Title (de)

ELEKTROMAGNETVENTIL UND VERFAHREN ZUR HUBEINSTELLUNG EINES MAGNETVENTILS

Title (fr)

VANNE ELECTROMAGNETIQUE ET PROCEDE DE REGLAGE DE LA COURSE D'UNE VANNE ELECTROMAGNETIQUE

Publication

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Application

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- EP 9707240 W 19971222

Abstract (en)

[origin: DE19700980A1] An electromagnetic valve has a valve housing (1) with a valve seat body (6) and a valve closure member (11) controlled by an armature (4). A valve coil (8) is arranged next to the armature (4) and delimited by a yoke ring (2). A housing section (1') upon which the armature (4) is supported closes the valve housing (1). The valve housing (1), the housing section (1') that closes the valve housing (1), the yoke ring (2) and the armature (4) are made of a magnetic flow-conducting material. The magnetic circuit between the yoke ring (2) and the valve housing (1) is closed by a ferromagnetic ring-shaped piece (3) mounted on the valve housing (1) and/or by a ferromagnetic body (5) that supports the valve housing (1). Also disclosed are two processes for setting the stroke of an armature (4) in a valve housing (1) of an electromagnetic valve. A pressurised medium under a low pressure, in particular compressed air, flows through the electromagnetic valve and the volume flow rate representative of each stroke setting is determined.

IPC 1-7

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IPC 8 full level

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